



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

*BCJ*

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

08/985,576 12/05/97 WESTERMAN

L 7146007

EXAMINER
----------

WM31/0327  
CHERNOFF VILHAUER MCCLUNG & STENZEL  
1600 ODS TOWER  
601 SW SECOND AVENUE  
PORTLAND OR 97204

ART UNIT	PAPER NUMBER
----------	--------------

2621  
DATE MAILED:

03/27/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.  
**08/985,576**

Applicant(s)  
**Larry Alan Westerman**

Examiner  
**Gregory Desire**

Group Art Unit  
**2621**



☒ Responsive to communication(s) filed on Sep 25, 2000

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

☒ Claim(s) 1-36 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1-36 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2721

## **DETAILED ACTION**

### ***Continued Prosecution Application***

1. The request filed on 9/13/00 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 08/985,576 is acceptable and a CPA has been established. An action on the CPA follows.

### ***Response to Amendment***

2. Applicant's arguments filed in view of 35 U.S.C 103 have been fully considered but they are not persuasive and are thus maintained. See response to arguments below. The examiner originally prosecuted the Continuation Prosecution Application without reviewing the amendment filed 9/25/00. Therefore, the examiner withdraws the first action final.

### ***Response to Arguments***

3. Applicant argues (remarks page 4 lines 15-17) Yamasaki does not disclose non-closed loop portion includes multiple points of the at least one image that an eye of a viewer observes (note fig. 4, 5 and 6 in connection with col. 6 lines 8-10) (Figure shows the eye of a viewer which observes a line of sight of a desired area in the image plane. Figure 6 shows the an actual image plane. The image plane is non-closed loop as described in specification page 8 lines 22 as general region of interest non-closed region have multiple points.

Art Unit: 2721

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

5. Claims 1-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Yamasaki (5,627,586).

Regarding claims 1, 12, 19, and 27-29 Yamasaki et al discloses,

(A) an imaging device that at least one of the obtains and presents at least one image (note fig. 1 block 10). (Shows a video camera. It is inherent for a camera to obtain and present at least one image.);

(B) an eye gaze system associated with said imaging device that determines a non-closed loop portion including multiple points of said at least one image that an eye of a viewer observes wherein said viewer observes each of said multiple points (note specification page 8, lines 22-25)(Yamasaki, fig. 4,5, and 6 in connection with col. 6 lines 7-10) (The examiner interprets normal gaze information viewed observing, as opposed to a closed loop region as Gaze information being a non-closed loop region, within a non-closed region there a multiple points.

Figure 6 shows an image plane, wherein normal gaze information is viewed by viewer.)

Art Unit: 2721

(C) said image system associating said at least one image with said each of said multiple points of said non-closed loop portion of said at least one image (note fig. 6, specification page 8 line 22, defines non-closed loop as general region of interest). Wherein the s1 is a region in the image plane, thus there is some association with the image, within the region multiple points are present..

(D) an image processor that identifies the content represented by said at least one image based on the content of the image together with said portion (note fig. 1, block 18; Shows processing unit )

Regarding claims 2, 19, and 29 Yamasaki disclose,

wherein said imaging device is at least one of a film based camera, a digital based still camera, and a digital based video camera (note fig. 1 block 10). The imaging device is described as a video camera.

Regarding claim 3 Yamasaki disclose,

wherein said imaging device presents said at least one image to said user at a time subsequent to recording said image. This is inherent in a camera to present an image to a user at a time subsequent to recording an image.

Regarding claims 4, 20 and 30 Yamasaki disclose,

Art Unit: 2721

where said eye gaze system is integral with said imaging device (Yamasaki; note fig 3 in connection with col 6. lines 1-2). Eye gaze system is a member of the video camera.

Regarding claims 5, 7, 14-16, 21-23 and 31-33 Yamasaki disclose,

wherein said non-closed loop portion is within said at least one image (Takagi; fig. 6).

The examiner interprets the block 102 to be an image plane (image). Non closed loop is within the image plane. Non closed loop is a point with the image zone. Non closed loop is a region of the image zone.

Regarding claims 8, 24, and 34 Yamasaki disclose,

wherein said image system associated is storing said loop portion on a recording media of said image device (Yamasaki; note col. 2 lines 30-35). The image device stores image signal of images within image zones.

Regarding claims 9, 25, and 35 Yamasaki disclose,

wherein said loop portion is used at the basis to define a closed loop portion (Yamasaki; note fig. 2a ). Figure shows a gazing point of the image plane examiner interprets as closed loop. The points within non-closed loop defines the closed loop portion.

Regarding claims 10, Yamasaki disclose,

Art Unit: 2721

wherein said at least one image is said obtained substantially contemporaneously with said non-closed loop portion (Yamasaki, note fig. 6). The examiner interprets image plane as an image. Once the tracking system is focus on a loop it is occurring contemporaneously with the image plane.

Regarding claim 11 Yamasaki disclose,

further comprising an image processor that identifies the content of said at least one image based on the content of the image together with said non-closed loop portion (note fig. 1 block 18). The examiner interprets the CPU as image processor which identifies the contents of the whole image plane.

Regarding claim 13 Yamasaki disclose,

wherein said gaze information is transformed into a closed loop portion of said image and said image processor analyzes said image based at least in part on said image itself together with said closed loop portion to determine the content of said image (note col. 3 lines 47-50). The correlation calculation means analyze the image signals with reference signals. This is done in the cpu.

Regarding claim 17 Yamasaki disclose,

Art Unit: 2721

wherein said image processor includes at least one of shape identification, texture identification, color identification, and spatial identification (note fig. 12 in connection with col. 5 lines 23-25). Yellow and cyan separation identifies color.

Regarding claims 18 Yamasaki disclose,

further comprising storing said content in a database (note fig. 1 block 22 and 24). The examiner interprets ram and rom as data base where information is stored.

### *Conclusion*

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory Desire whose telephone number is (703) 308-9586. The examiner can normally be reached on Monday-Friday from 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Boudreau, can be reached on (703) 305-4706. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-5397.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900

G.D.

March 15, 2001

Matthew C. Bella  
Primary Examiner

